



**National
Transportation
Safety Board**

Substance-Impaired Driving: Actions Needed to Reach Zero

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Federal Agencies: Transportation

NTSB

FMCSA

FRA

NHTSA

PHMSA

DOT

MARAD

FTA

FHWA

FAA



NTSB



NTSB



- 1) determining the probable cause of transportation accidents
- 2) making recommendations to prevent their recurrence



NTSB



All Modes



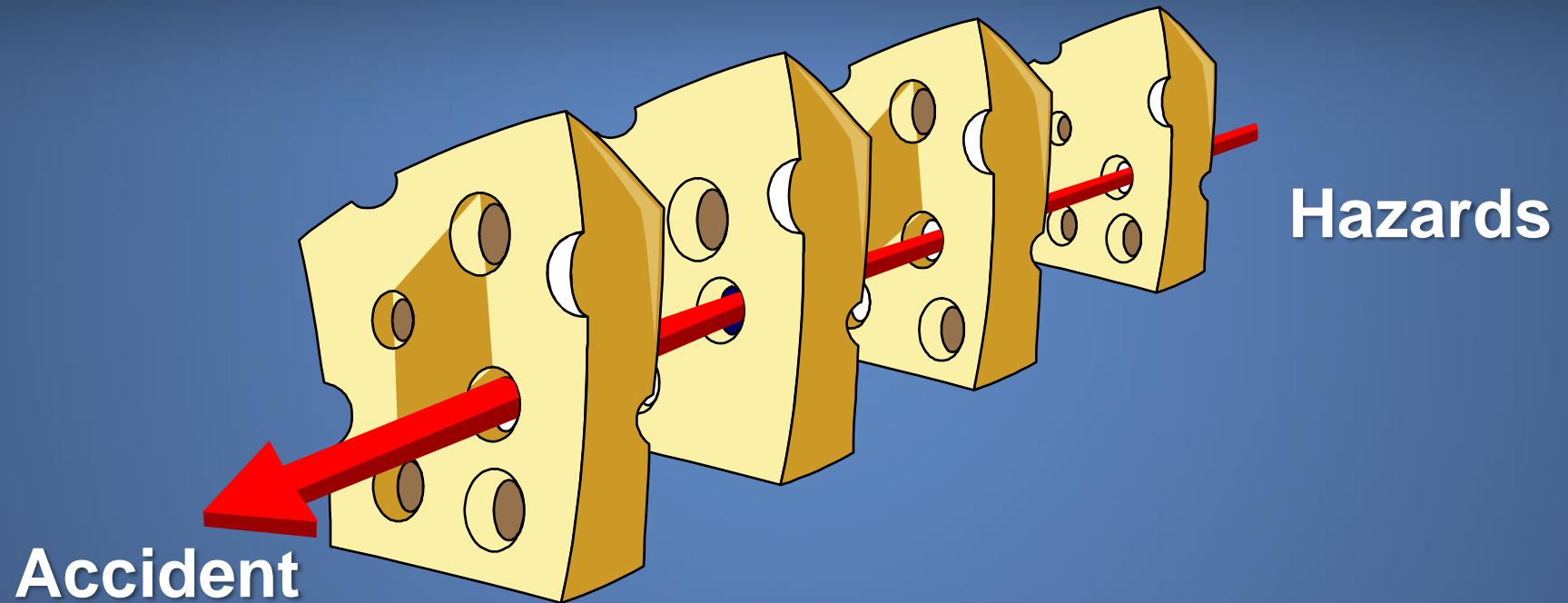
NTSB

Independent Federal Agency: Created in 1967

- >140,500 accident investigations
- 14,000+ safety recommendations
- ~ 2,300 organizations/recipients
- 82% acceptance rate



“Swiss Cheese” Model (Reason)



Successive layers of defenses, barriers, and safeguards



NTSB

Carrollton, KY (May 14, 1988)



67 passengers, 27 fatalities, 34 serious injuries; driver: .28 BAC



NTSB

Since 1988 . . .

- 300,000 lives lost
- Millions injured



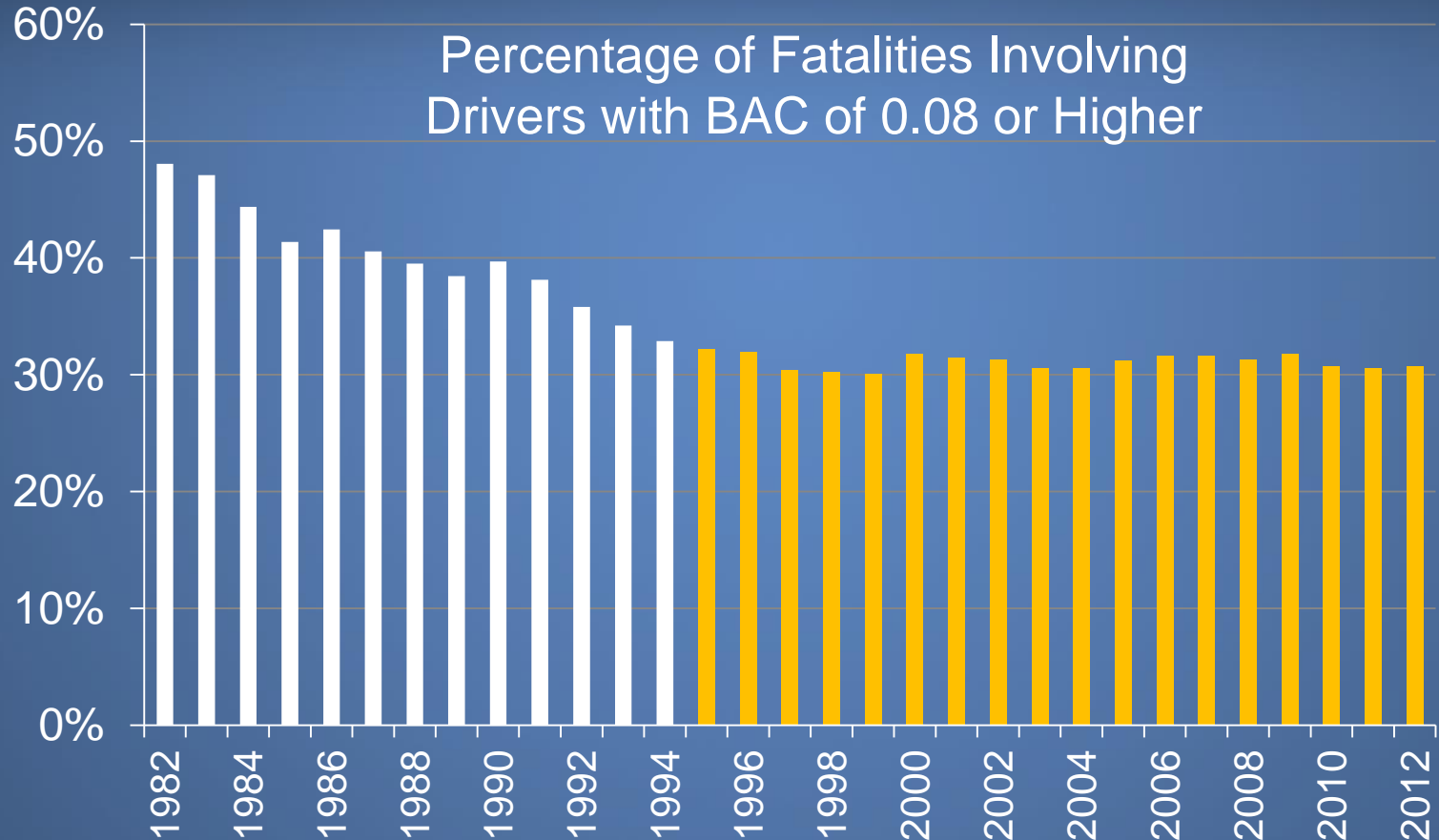
Since 1988 . . .

- 41% of fatalities to 31%
- 31% for over 15 years



NTSB

Alcohol-Impaired Driving



Since 1988 . . .

- 200 law enforcement lives lost



Every Year . . .

- ~ 10,000 lives lost



Every Year . . .

- 173,000 injuries
 - 27,000 are life-altering



Every Hour . . .

- 1 life lost
- 20 injuries



2011

FATALITIES

(the most recent government statistics available)

9,878 in *impaired driving* crashes

800 in marine accidents

759 in rail accidents

494 in aviation accidents



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NTSB

NTSB Forum: May 15-16, 2012

REACHING ZERO

Actions to Eliminate Substance-Impaired Driving



NTSB

NTSB Forum: May 15-16, 2012

- 8 panels with 37 panelists
- Topics included:
 - the substance
 - current interventions
 - consequences
 - international view
 - the problem
 - enforcement
 - prevention
 - next steps



November 14, 2012

MOST WANTED LIST

The Most Wanted List represents the NTSB's advocacy priorities. It is designed to increase awareness of, and support for, the most critical changes needed to reduce transportation accidents and save lives.

ELIMINATE SUBSTANCE-IMPAIRED DRIVING



A generation ago, the NTSB investigated the nation's deadliest impaired driving crash, which killed 27 and injured dozens. Since then, more than 300,000 people have perished at the hands of impaired drivers. Much more must be done to address the senseless deaths of more than 10,000 people every year.

AIRPORT SURFACE OPERATION

BUS SAFETY

ELIMINATE DISTRACTION

FIRE SAFETY

GENERAL AVIATION SAFETY

INFRASTRUCTURE

PIPELINE SAFETY

POSITIVE TRAIN CONTROL

SUBSTANCE-IMPAIRED DRIVING

COLLISION AVOIDANCE



NTSB

November 23, 2012. . .

- NTSB issued 6 new safety recommendations
- Focus: better data



NTSB

Reaching Zero: Safety Recommendations

To the National Highway Traffic Safety Administration:

- Develop and disseminate to appropriate state officials a common standard of practice for drug toxicology testing, including (1) the circumstances under which tests should be conducted, (2) a minimum set of drugs for which to test, and (3) cutoff values for reporting the results.



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Wrong-Way Driving



Special Investigation Report

NTSB/SIR-12/01
PB2012-917003



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December 11, 2012. . .

- Wrong-way driver report
 - > 60% involve alcohol-impaired drivers
- NTSB issues 3 new safety recommendations
- Technology focus:
 - all offender ignition interlock
 - in-vehicle passive monitoring (DADSS)



NTSB

Reaching Zero: Actions to Eliminate Alcohol-Impaired Driving



Safety Report

NTSB/SR-13/01
PB2013-106566



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May 14, 2013. . .

- Safety Study
 - Reaching Zero: Actions to Eliminate Alcohol-Impaired Driving
- NTSB issues 10 new safety recommendations



NTSB

10 New Safety Recommendations

- Laws: reducing per se BAC limit; expand ALS/ALR
- HVE incorporating PAS technology
- Expand use of in-vehicle devices (ignition interlocks)
- Repeat offenders: use DWI courts/other programs
- Establishing measurable goals/tracking progress (states)



ROADMAP TO **REACHING ZERO**

- 
- Lower BAC limit
 - Increased use of high-visibility enforcement
 - Use of in-vehicle alcohol detection technology
- Ignition interlocks for all offenders
 - Enhanced use of Administrative License Actions
- Target repeat offenders
 - Use of DWI Courts

REACHING ZERO



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NTSB Roadmap

- Science-based/data-driven
- Diverse approaches
- Set of targeted interventions
- Near- and long-term strategies





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